(Schema1)

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="book">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="title" type="xs:string"/>
        <xs:element name="author" type="xs:string"/>
        <xs:element name="character">
          <xs:complexType>
            <xs:choice>
              <xs:sequence>
                <xs:element name="first-name" type="xs:string"/>
                <xs:element name="friend-of" type="xs:string"/>
                <xs:element name="since" type="xs:date"/>
                <xs:element name="qualification" type="xs:string"/>
              </xs:sequence>
              <xs:sequence>
                <xs:element name="last-name" type="xs:string"/>
                <xs:element name="birth-year" type="xs:string"/>
                <xs:element name="city" type="xs:string"/>
              </xs:sequence>
            </xs:choice>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
      <xs:attribute name="isbn" type="xs:string"/>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

FIG. 1

(Instance Document 1)

```
<?xml version="1.0" encoding="utf-8"?>
<book isbn="0836217462"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="E:\CAD\Disclosure\library1.xsd">
   <title>Being a Dog Is a Full-Time Job</title>
   <author>Charles M. Schulz</author>
   <character>
       <first-name>Snoopy</first-name>
       <friend-of>Peppermint Patty</friend-of>
       <since>1950-10-04</since>
       <qualification>extroverted beagle</qualification>
   </character>
           </book>
```

FIG. 2

(Instance Document 2)

```
<?xml version="1.0" encoding="utf-8"?>
<book isbn="0836217462" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="E:\CAD\Disclosure\library1.xsd">
   <title>Being a Dog Is a Full-Time Job</title>
   <author>Charles M. Schulz</author>
   <character>
       <last-name>Peppermint Patty</last-name>
       <birth-year>1966</birth-year>
       <city>New York</city>
   </character>
</book>
```

FIG. 3

(Instance Document 3)

```
<?xml version="1.0" encoding="UTF-8"?>
<book xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="E:\CAD\Disclosure\library1.xsd">
   <title>Being a Dog Is a Full-Time Job</title>
   <author>Charles M. Schulz</author>
   <character>
       <last-name>Snoopy</last-name>  //error: tag <first-name> was
intended to be used here
       <friend-of>Peppermint Patty</friend-of>
       <since>1950-10-04</since>
       <qualification>extroverted beagle</qualification>
   </character>
</book>
```
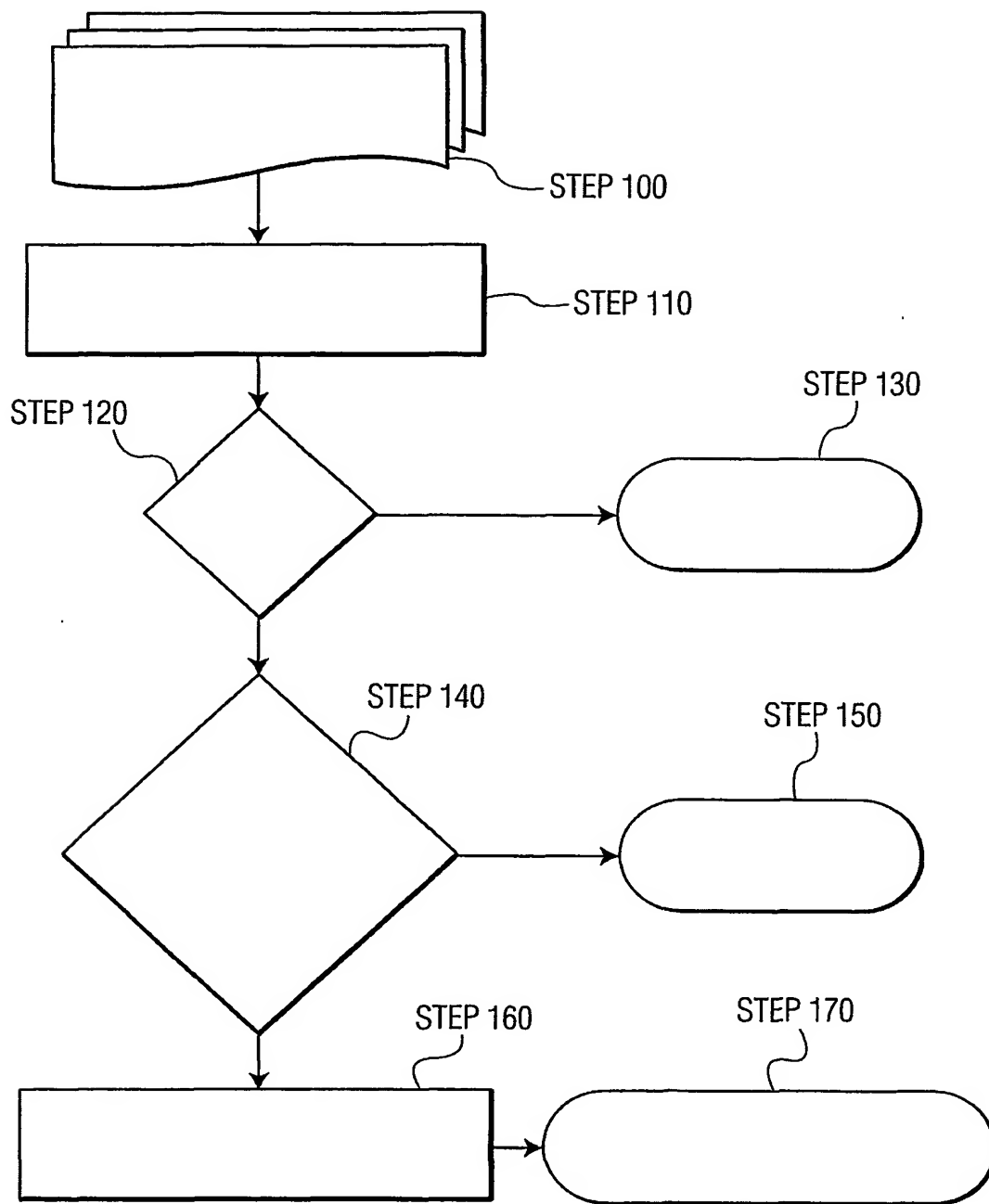
FIG. 4

FIG. 5